

# Alan Nguyen

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## Education

### **B.S. Mathematics-Computer Science**

Minor in Economics  
University of California, San Diego  
Graduated in Spring 2019

## Experience

### **McGraw-Hill Education ALEKS - Content Programmer**

November 2019 - PRESENT

- Developed interactive, web-based math lessons, providing students with an efficient learning environment using HTML, CSS, and ISL.
- Implemented accessibility features through screen-readability and color-blind usability.
- Created a global function that replicates the excel sheet interface used in numerous items in the statistics suite.

### **Techcet CA, LLC - Software Engineering Intern**

September 2017 - August 2018

- Developed a web scraping program that retrieves Altman Z-score information from sec.gov using the Python library beautiful soup 4.
- Designed and programmed techcet.com, cmcfabs.org, and criticalmaterials.org using HTML and CSS. Hosted on WordPress and HostGator.

## Application Developments

### **Task Manager**

- A to-do list REST API application written in HTML, CSS, and Javascript using node.js.
- Displays client side content using AJAX and uses MySQL to create, read, update and delete JSON data.

### **Space Kitty**

- A side-scroller game on Android, desktop and web browser. Written in Java using libGDX game development framework.